Most Frequently Occurring Classifications of Patents Returned From A PLUS Search of 09/910,731 on June 17, 2002

Original Classifications

6 324/464
4 361/120
3 372/86
2 60/275
2 219/56.22
2 315/209CD
2 372/87

Cross-Reference Classifications

6 73/28.02
5 324/455
4 372/83
3 361/129
2 60/311
2 73/116
2 219/113
2 219/56.21
2 313/631
2 315/209M
2 324/402
2 324/465
2 340/579
2 361/130
2 372/86
2 372/87
2 422/186.04

Combined Classifications

7 324/464
6 73/28.02
5 324/455
5 372/86
4 361/120
4 372/83
4 372/87
3 361/129
2 60/275
2 60/311
2 73/116
2 73/35.08
2 219/113
2 219/56.21
2 219/56.22
2 313/631
2 315/111.01
2 315/209CD
2 315/209M
2 315/241R
2 315/291
2 315/349
2 324/390
2 324/402
2 324/465
2 324/469
2 340/579
2 361/117
2 361/130
2 422/186.04

Titles of Most Frequently Occurring Classifications of Patents Returned

From A PLUS Search of 09/910,731 on June 17, 2002

7 324/464 (6 OR, 1 XR)
Class 324: ELECTRICITY: MEASURING AND TESTING
324/459 USING IONIZATION EFFECTS
324/464 .For analysis of gas, vapor, or particles of matter

6 73/28.02 (0 OR, 6 XR)
Class 073: MEASURING AND TESTING
73/23.2 GAS ANALYSIS
73/28.01 .Solid content of gas
73/28.02 ..Particle charging

5 324/455 (0 OR, 5 XR)
Class 324: ELECTRICITY: MEASURING AND TESTING
324/452 A MATERIAL PROPERTY USING ELECTROSTATIC PHENOMENON
324/455 .Corona induced

5 372/86 (3 OR, 2 XR)
Class 372: COHERENT LIGHT GENERATORS
372/69 PARTICULAR PUMPING MEANS
372/81 .Electrical
372/86 ..Having an auxiliary ionization means

4 361/120 (4 OR, 0 XR)
Class 361: ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
361/117 .High voltage dissipation (e.g., lightning arrester)
361/120 ..Vacuum or gas filled space discharge

4 372/83 (0 OR, 4 XR)
Class 372: COHERENT LIGHT GENERATORS
372/69 PARTICULAR PUMPING MEANS
372/81 .Electrical
372/83 ..Transversely excited

4 372/87 (2 OR, 2 XR)
Class 372: COHERENT LIGHT GENERATORS
372/69 PARTICULAR PUMPING MEANS
372/81 .Electrical
372/87 ..Having particular electrode structure

3 361/129 (0 OR, 3 XR)
Class 361: ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
361/117 .High voltage dissipation (e.g., lightning arrester)
361/129 ..Plural gaps with common electrode

Titles of Most Frequently Occurring Classifications of Patents Returned

From A PLUS Search of 09/910,731 on June 17, 2002

2 60/275 (2 OR, 0 XR)
Class 060: POWER PLANTS
60/272 INTERNAL COMBUSTION ENGINE WITH TREATMENT OR HANDLING OF EXHAUST GAS
60/275 .By electrolysis, electrical discharge, electrical field, or vibration generator

2 60/311 (0 OR, 2 XR)
Class 060: POWER PLANTS
60/272 INTERNAL COMBUSTION ENGINE WITH TREATMENT OR HANDLING OF EXHAUST GAS
60/311 .By sorber or mechanical separator

2 73/116 (0 OR, 2 XR)
Class 073: MEASURING AND TESTING
73/116 MOTOR AND ENGINE TESTING

2 73/35.08 (1 OR, 1 XR)
Class 073: MEASURING AND TESTING
73/35.01 ENGINE DETONATION (E.G., KNOCK)
73/35.07 .Specific type of detonation sensor
73/35.08 ..Ionization

2 219/113 (0 OR, 2 XR)
Class 219: ELECTRIC HEATING
219/50 METAL HEATING (E.G., RESISTANCE HEATING)
219/78.01 .For bonding with pressure (e.g., resistance welding)
219/108 ..Systems of current supply
219/112 ...Stored energy discharge (e.g., inductive)
219/113 ....Condenser discharge

2 219/56.21 (0 OR, 2 XR)
Class 219: ELECTRIC HEATING
219/50 METAL HEATING (E.G., RESISTANCE HEATING)
219/56 .Wire, rod, or bar bonding
219/56.1 ..Of wire leads
219/56.21 ...By microbonding

2 219/56.22 (2 OR, 0 XR)
Class 219: ELECTRIC HEATING
219/50 METAL HEATING (E.G., RESISTANCE HEATING)
219/56 .Wire, rod, or bar bonding
219/56.1 ..Of wire leads
219/56.22 ...Methods

Titles of Most Frequently Occurring Classifications of Patents Returned

From A PLUS Search of 09/910,731 on June 17, 2002

2 313/631 (0 OR, 2 XR)
Class 313: ELECTRIC LAMP AND DISCHARGE DEVICES
313/567 WITH GAS OR VAPOR
313/631 .Having particular electrode structure

2 315/111.01 (1 OR, 1 XR)
Class 315: ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
315/111.01 DISCHARGE DEVICE LOAD WITH FLUENT MATERIAL SUPPLY TO THE DISCHARGE SPACE

2 315/209CD (2 OR, 0 XR)
Class 315: ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
315/209R PERIODIC SWITCH IN THE SUPPLY CIRCUIT
315/209CD .Capacitor dischargeneous ignition systems

2 315/209M (0 OR, 2 XR)
Class 315: ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
315/209R PERIODIC SWITCH IN THE SUPPLY CIRCUIT
315/209M .Miscellaneous ignition systems

2 315/241R (1 OR, 1 XR)
Class 315: ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
315/227R CONDENSER IN THE SUPPLY CIRCUIT
315/241R .Condenser in shunt to the load device and the supply

2 315/291 (1 OR, 1 XR)
Class 315: ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
315/291 CURRENT AND/OR VOLTAGE REGULATION

2 315/349 (1 OR, 1 XR)
Class 315: ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
315/326 DISCHARGE DEVICE LOAD
315/349 .Discharge control discharge device load

2 324/390 (1 OR, 1 XR)
Class 324: ELECTRICITY: MEASURING AND TESTING
324/378 INTERNAL-COMBUSTION ENGINE IGNITION SYSTEM OR DEVICE
324/390 .Low or high tension lead

2 324/402 (0 OR, 2 XR)
Class 324: ELECTRICITY: MEASURING AND TESTING
324/378 INTERNAL-COMBUSTION ENGINE IGNITION SYSTEM OR DEVICE
324/402 .Apparatus for coupling a measuring instrument to an ignition system

Titles of Most Frequently Occurring Classifications of Patents Returned

From A PLUS Search of 09/910,731 on June 17, 2002

2 324/465 (0 OR, 2 XR)
Class 324: ELECTRICITY: MEASURING AND TESTING
324/459 USING IONIZATION EFFECTS
324/464 .For analysis of gas, vapor, or particles of matter
324/465 ..Using electronegative gas sensor

2 324/469 (1 OR, 1 XR)
Class 324: ELECTRICITY: MEASURING AND TESTING
324/459 USING IONIZATION EFFECTS
324/464 .For analysis of gas, vapor, or particles of matter
324/469 ..Using a radioactive substance

2 340/579 (0 OR, 2 XR)
Class 340: COMMUNICATIONS: ELECTRICAL
340/500 CONDITION RESPONSIVE INDICATING SYSTEM
340/540 .Specific condition
340/577 ..Flame
340/579 ...By ionization or conductivity

2 361/117 (1 OR, 1 XR)
Class 361: ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
361/117 .High voltage dissipation (e.g., lightning arrester)

2 361/130 (0 OR, 2 XR)
Class 361: ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
361/1 SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
361/117 .High voltage dissipation (e.g., lightning arrester)
361/130 ..Plural gaps serially connected

2 422/186.04 (0 OR, 2 XR)
Class 422 : CHEMICAL APPARATUS AND PROCESS DISINFECTING, DEODORIZING, PRESERVING, OR STERILIZING
422/129 CHEMICAL REACTOR
422/186 .With means applying electromagnetic wave energy or corpuscular radiation to reactants for initiating or perfecting chemical reaction
422/186.04 ..Electrostatic field or electrical discharge

List of Patents Returned in Closeness Factor Order from a PLUS Search of 09/910,731 on June 17, 2002

Patent No.	Closeness Factor
6,029,631	79
6,111,740	78
4,855,566	78
4,905,251	78
6,328,016	78
5,767,683	78
3,612,880	72
4,349,782	72
5,216,369	72
4,308,488	68
4,871,307	68
5,909,086	68
6,058,698	68
4,266,196	68
5,317,271	68
5,394,091	68
5,394,092	68
5,532,599	68
5,541,519	68
4,589,398	67
4,491,949	67
5,530,365	67
5,874,703	67
5,754,581	67
5,949,193	67
4,317,067	67
4,556,981	67
4,837,773	67
4,897,577	67
5,444,334	67
5,465,030	67
5,854,732	67
6,172,468	67
5,282,108	65
6,126,435	65
4,804,846	65
5,180,983	65
5,293,130	65
5,675,072	65
5,444,596	64
5,663,864	64
3,814,950	64
4,151,446	64
4,369,776	64
4,390,771	64
4,476,366	64
4,868,546	64
4,994,716	64
5,502,354	64